No. 1

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

From Jan. 1 *to* Jan. 31st, 1912

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	km.	
Jan. 4	e L	14-37.6	10				
	L	14-42	8				
	F	15-08					
Jan. 4	P?	15-57-14	4				
	S	16-05-40	13				
	L?	16-12.7	28				No distinct maximum.
	L	16-19 to 16-45	26, 15, 15, 14, 13			7000?	
	F	17-45					
Jan. 31	e N	11-48-47					
	i N	11-50-23	10ˢ				Microseisms superposed.
	E	12-0					
Jan. 31	P	20-19-50	1-2				
	PR	20-21-36	4				
	S	20-26-20					
	L	20-32	20				
	M	20-34.6	20	180	180	4800	Alaska.
	F	22-					

No. 2

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums.

From Feb. 1 *to* Feb. 29, 1912.

1912	PHASE	TIME	PERIOD	AMPLITUDE		DISTANCE	REMARKS
				A_E	A_N		
		h. m. s.	s.	μ	μ	km.	
Feb. 19	e ?	23-09-27					
	E ?	23-11.5	10				
	F	23-30					
	E ?	23-33.2	10				
	e ?	23-36-51					

No. 3

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums.

From March 1 *to* March 31, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE		DISTANCE	REMARKS
				A_E	A_N		
		h. m. s.	s.	μ	μ	km.	
Mar. 4	1 P ?	8-03-47	2				
	F	8-10					
Mar. 11	P	10-30-13	2				
	S	10-35	9				
	L	10-36.4	18				
	M	10-36.9		9	15	3050	
	F	11-30					

No. 4

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

From April 1 *to* April 30, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	km.	
Apl. 13	e	19-03-26					
	L	19-09	13 s	1			
	F	19-31					
" 14	P?	13-40-00	5 s				
	L?	13-50.7	7				
	L	13-54	13	2			
	F	14-21					
" 17	P	3-57-11	2-3			4140	
	PR,	3-58-45					
	S	4-03-06	4	6			No distinct maximum.
	L	4-06.1	11	20	10		
	L	4-10	20				
	L	4-17	13				
	F	4-37					
" 20	eL	2-31	30				
	L	2-36	20				
	L	2-42	18				
	F	2-57					

No. 5

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums.

From May 1st *to* May 22nd, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	km.	
May 6	P	19-06-53	2				
	PR,	19-08-16					
	S	19-12-35	6				
	L	19-16.0	20				
	L	19-19.0	16				
	M	19-23.0	12	135	55		
	L	19-35	10				
	F	20-35				3900	
May 17	e	4-31					
	L	4-37	14				
	F	4-44					
May 18	e	21-59-43					
	F	22-14					
May 21	e	9-58-50					
	L	10-15	8-10				
	L	10-19	20				
	L	10-21	16				
	L	10-25	14				
	F	10-41					

No. 6

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

From May 22 *to* May 31st, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	km.	
May 23	P_N	2-43-38	2			8300?	
	S_N ?	2-53-14					
	S_E ?	2-53-20					
	L_N	3-05.5	24				
	L_E	3-10	40				
	L_E	3-12	40				
	L_N	3-14	28				
	M_E	3-20	35	130			
	M_N	3-32	22		110		
	L	3-38	18				
	F	4-32					

Otto Klotz

No. 11

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5h 02m 51s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

From June 1st *to* June 7, 1912

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	km.	
June 6	e	15-30.5					
	F	15-46					
" "	e	16-58					
	L ?	17-05	8				
	F	17-17					
" "	From 21h- 55 to 24h- 30 more or less disturbed, but no distinct phases.						
June 7	Beginning about 4h more or less disturbances recorded, showing small maxima at about 4h-05, 5-03, 7-00, 7-24, 7-40, 8-30, 9h-23.						
" "	P	10-04-31					
	PR,	10-06-24					
	S	10-11-26					Alaska
	L	10-21.0	20				
	M	10-22.6		70	30	5200	F merged into next quake.
" "	i S ?	10-50-00					
	L	10-59.6	16				
	M	11-01.3		70	25		Alaska
	F	11-50					

Otto Klotz

No. 8

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5h 02m 51s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

From June 7th *to* June 8th, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	km.	
June 7	P	12-32-08	2			5530	Alaska
	PR1	12-34-04					
	S	12-39-19					
	E ?	12-45.5	16				
	E ?	12-48.6	20				
	E	12-52					
	1 or M	12-58.0					
	F	13-36					
" "	P ?	18-31-22					PR1-P and S-P not accordant. From 20h of June 7, to 7h of June 8 show disturbances with small maxima at 20-10, 22-10, 23-15, 24-45, 1-25, 2-40, 3-23, 4-02, 4-55, 5-30, 5-50, 6-40
	PR1	18-33-12					
	S ?	18-40-06					
	L	18-49					
	E	18-53					
	F	19-30					
June 8	P ?	6-57-06				5440	
	S ?	7-04-12					
	L	7-10	16			In	
	1	7-13-48				Alaska	
	M	7-17.8		55	30		F merged into next quake.
" "	P	7-44-20	2			5230	Alaska
	S	7-51-17					
	E	7-59	20				
	M	8-00.1		220	130		F merged into next quake.

Otto Klotz

No. 9

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums.

From June 8th *to* June 9th, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	km.	
June 8	P ?	8-56-47				5600	Alaska
	PR, ?	8-58-52					
	L	9-11	14				
	M	9-14.3		70	35		
	F ?	10-00					
	A small maximum at 11ʰ-00						
" "	i	13-15-12					
	i	13-18-42					
	L	13-22.5	32				
	L	13-24	20				
	M	13-29	16	45	30		
	F	14-05					
June 9	e	8-38-14					
	D	8-46	16				
	F	9-00					
" "	P	17-23-03				5450	Alaska
	PR,	17-25-06					
	S	17-30-14					
	D	17-38.5	15				
	M	17-44.3		25	15		
	F	18-12					Small maxima at 22h-04 and 22h-39.

Otto Klotz

No. 10

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

From June 10th *to* June 12th, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	km.	
June 10	P	16-14-48	4			5320	Alaska
	PR,	16-16-40					
	S	16-21-46	6				
	L	16-30.6	16				
	M	16-36	16	150	95		
	F	18-00					
June 12	1	7-20-00					
	1	7-29-38					
	L	7-30.4	14				
	L	7-33	16				
	F	8-04					
" "	P	12-50-05				3580	
	PR,	12-51-31					
	S	12-55-27					
	L	12-58	20				
	M	13-00		120	45		
	D	13-01	20-28				
	F	13-58					

Otto Klotz

No. 11

OTTAWA

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

From June 13 *to* June 30, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	km.	
June 17	e	11-35.5	14				
	L	11-50.6	18				
	L	11-57.6	16				
	F	12-27					
June 18	1 P ?	12-08-04				4300	
	S ?	12-14-08					
	L	12-17.6	14				
	L	12-19.4	16				
	L	12-48	21				
	L	13-00	17				
	L	13-09	15				
	F	13-30					
June 28	e	18-54-34					
	M	19-00					
	F	19-19					
June 29	P	8-01-45				7765	
	S	8-10-53					
	L	8-23.6	40				
	L	8-27.5	25				
	F	8-39					

Otto Klotz.

OTTAWA

No. 12

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From July 1 *to* July 7, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km	
July 3	e	18-09.3						M very small & irregular.
	M	18-20						
	F	18-31						
July 7	e P	8-05-46	1				4850	
	i P	8-05-48						
	P R_1	8-07-30						
	S	8-12-32						
	L_E	8-15.5	40					
	L_N	8-16.7	40					
	M	8-22		1200	1000			
	M_Z	8-24				400		
	F	11-00						
July 7	e	13-14-42						
	e	13-24-40						
	i	13-29-30						
	M	13-30.4						
	F	13-54						
July 7	e	17-29-42						
	F	17-34						
July 7	e	18-19-26						
	F	18-30						
July 7	e	22-49-36						
	i_E	22-50-27						
	i_N	22-56-50						
	S	23-03-44						
	L_N	23-07.6	20					
	L_E	23-10	20					
	F	24-30						

Otto Klotz

OTTAWA

No. 13

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From July 8 *to* July 19, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km.	
July 8	e	3-24-15						
	i	3-32-26						
	M	3-33						
	F	3-53						
July 8	P	22-01-58					4890	Alaska
	PR	22-03-45						
	S	22-08-32						
	SR	22-12						
	L	----------						
	M	22-18		650	250			
	F	23-27						
July 9	e L	9-11.3	20					
	F	9-26						
July 17	e	17-05-12						
	F	17-30						
July 18	P	21-28-24	4				8950	
	S	21-38-26						
	L	21-57						
	F	22-30						
July 19	e	13-16-18	1					
	i	13-16-44						
	i	13-59-32	4					
	F	14-17						

Otto Klotz

OTTAWA

No. 1

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From July 20 *to* July 22 1912.

1912 DATE	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km.	
July 20	e_E	13-34-32	4					
	e	13-46-34	5					
	i	14-00-32	5					
	L	14-04.2	19					
	F	14-32						
July 21	e_E	2-07.7	5					
	i_E	2-08-16						
	L	2-29.4	20					
	F	2-52						
July 21	e_E	5-23.2	6					
	i_E	5-25-22						
	F	5-36						
July 22	e	10-05-12	4-5					
	L	10-08	13					
	F	10-22						
July 22	i_N	23-48-36						
	e_N	23-51-45						
	F	23-59						

Otto Klotz

OTTAWA

15 No.

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From July 23 *to* July 31, 1912.

1912

DATE	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km.	
July 24	e P_N	12-08-12	4					In Piura, Peru.
	e P_E	12-08-21	4					
	i P	12-08-28						
	S_N	12-15-12	12					
	S_E	12-15-16	5					
	i_E	12-17-52						
	L	12-20.8	24-28					No distinct maximum.
	F	13-39						
July 25	e	23-27.5						
	L	23-38	16					
	L	23-44	20					
	L	24-00	40					
	L	24-12 to 24-20	20					
	L	24-26 to 24-32	16-17					
	F	24-56						
July 31	e	9-51-36						
	i	9-52-08						
	F	10-02						

Otto Klotz

OTTAWA

No. 16

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Aug. 1st *to* Aug. 14, 1912.

1912 DATE	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km.	
Aug. 2	e	4-18-18						
	F	4-26						
Aug. 6	P	21-31-06	5				3470	
	S	21-36-21						
	L	21-40.5	14					
	L	22-21	17					
	F	22-56						
Aug. 9	P_E	1-40-20	3					
	P_N	1-40-24						Near Adrianople.
	$P\ R_{2E}$	1-45-02					7780	
	$e\ S_N$	1-49-29						
	$e\ S_E$	1-49-32						
	$i\ S_E$	1-49-44						
	$i\ S_N$	1-49-48						
	L	1-58.0	60					
	M	2-12.6	16	50	60			
	L	2-30	15					
	F	4-45						
Aug. 12	e	15-27-03						
	F	15-32						
Aug. 12	e	16-41-53						
	F	16-45						
Aug. 14	e	4-10-33						
	F	4-22						

Otto Klotz

OTTAWA

No. 17

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From August 15 *to* August 31st, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km.	
Aug. 17	e P_N	19-32-37					9000	
	i P_N	19-32-50	4					
	i P_E	19-32-53	4					
	P_R?	19-36-07						
	S_N?	19-42-52	13					
	L?	19-51	40-28					
	L_E	20-06	20					
	L_N	20-10	30					
	L	20-17 to 20-26	24					
	M	20-22	24	12	20			
	L	20-29 to 20-42	20-18					
	F	21-13						
Aug. 18	P_N?	21-20-18					3200	Arizona - micros mask P_E
	S	21-25-12	3					
	L_E	21-27.4						
	M_E	21-27.6		60				
	M_E	21-29.0		80				No distinct maximum for N.
	F	21-53						
Aug. 31	e L	23-01.4	20					
	L	23-17	16					
	F	23-37						

Otto Klotz

OTTAWA

No. 28

Earthquake Station, Dominion Astronomical Observatory

Latitude 45° 23′ 38″, Longitude 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, Altitude 83m.

Time: Mean Greenwich, midnight to midnight.

Instruments: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Sept. 1 *to* Sept. 10, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km.	
Sep. 1	P	4-34-26	2				4300	
	PR	4-35-56						
	S	4-40-16						No max.
	L	4-45.6						
	F	5-20						
Sep. 3	P	18-33-09	3					
	i	18-46-18						
	F	19-00						
Sep. 10	P?	16-10-24						i might be taken for a P.
	S?	16-15-13						
	i	16-18-00	2					
	L?	16-18-13	10					
	M	16-18.5		80	40			
	F	16-47						

Otto Klotz

OTTAWA

No. 19

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Sep. 11 *to* Sep. 30, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km.	
Sep. 13	P	23-51-51					4000?	
	PR, ?	23-52-46						
	e L	24-01.4	20					
	L	24-15	16					
	L	24-23	14					
	F	24-54						
" 20	e P?	21-41-11					3200?	
	S	21-46-10						
	L	21-46.0	14					
	F	22-14						
" 29	e P?	21-10-22					9600?	Micro-seisms somewhat mask.
	S	21-21-18						
	L ?	21-33	40					
	L	21-36.6	30					
	L	21-41	30					
	L	21-46.	30					
	L	22-00	20					
	L	22-10						
	F	23-14						

Otto Klotz

OTTAWA

No. 26

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5h 02m 51s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Oct. 1 *to* Oct. 31, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km	
Oct. 12	P	15-40-26					5440	No distinct maximum.
	S	15-47-32						
	L	15-52.0	34					
	L	15-55	20					
	L	16-01	14					
	L	16-18	15					
	F	17-20						
Oct. 17	e L	10-20.4						
	L	10-25.5	20					
	L	10-43.4	14?					
	L	10-45.8	34					
	L	10-48.1	30					
	L	10-51	20					
	M	10-55	20		7			
	L	11-01	20					
	F	11-30						
Oct. 18	e P ?	12-14-02					5650	
	i P	12-14-12						
	S	12-21-25						As usual
	L	12-28.1	22					L waves
	M	12-29.2	20	23	40			decrease
	L	12-34 to 12-52	16 to 11					in period
	F	13-50						
Oct. 31	e L	12-29.2						
	L	12-31 to 12-35	24 to 16					
	F	12-51						
Oct. 31	e L ?	18-19.5	18					
	L	18-35 to 18-44	18					
	F	19-0						

Otto Klotz

OTTAWA

No. 21

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Nov. 1st *to* Nov. 17th, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km.	
Nov. 7	e P	7-48-54					5100	Alaska
	i P	7-48-56	2					
	i	7-49-08	5	7	3			
	P R_1	7-50-58	5					
	S	7-55-46						
	S R_1?	7-58-46						
	S R_1?	7-59-25	30					
	L	8-01.5	40					
	M	8-07.5	20	200	100			
	L	8-10	13					
	L	8-24 to 8-39	9 to 10					
	F	10-08						
" "	e P	16-51-30						
	i P	16-51-32	2				3750	
	P R_1	16-52-40						
	P R_2	16-52-55						
	S	16-57-04						
	L	17-01.2	20					
	M	17-05.6	22-20	25	33			
	F	merges in another quake						
" "	i P	17-36-38					3750	
	P R_2	17-38-06						
	S	17-42-11						
	L	17-47.7	20					
	M	17-51.0	20	35	55			
	F	18-50						
" 17	P R_2?	11-41-18					5300?	
	S	?11-45-44						
	L	11-52.6	22					
	F	12-10						

Otto Klotz

OTTAWA

No. 28

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5ʰ 02ᵐ 51ˢ.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Nov. 18 *to* Nov. 30th, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	REMARKS
		h. m. s.	s.	μ	μ	μ	km.	
Nov. 19	P	14-01-36					3500	At Acambay, Mexico.
	P R_2?	14-02-44						
	S	14-06-52						
	L	14-11.0	36					
	M	14-17.4	36	43	57			
	F	15-20						
Nov. 22	i P_N	1-13-02	1-2				1800?	
	i P_E	1-13-10						Microseisms prevailed
	i	1-13-20						
	i	1-13-30						
	N?	1-15-42	2					
	S_E?	1-16-12						
	F	1-30						
Nov. 25	e ?	9-09-12						Strong micros almost completely mask E-W component.
	i ?	9-09-22						
	L	9-20.5	20					
	L	9-23	13					
	F	9-35						
Nov. 27	e N	9-31-46					4000?	
	S_N ?	9-37-27						S_E is very abrupt, & out of the ordinary.
	S_E	9-37-37	4	11				
	L_N	9-40	16					
	F	9-55						
" "	L ?	12-52	16					
	e	12-56-54						
	F	13-08						

OTTAWA

No. 23

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23′ 38″, LONGITUDE 75° 42′ 57″ or 5h 02m 51s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From December 1 *to* December 31st, 1912.

DATE 1912	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
				A_E	A_N	A_Z		
		h. m. s.	s.	μ	μ	μ	km.	
Dec. 5	e P	12-35-54					5300	
	S	12-42-54						
	S R1 ?	12-45-50						
	e L	12-49.7	17					
	L	12-55.4	20					
	F	13-30						
Dec. 5	e P ?	17-59-09					5000?	
	S	18-05-53						
	L	18-09.4						
	F	18-34						
Dec. 7	i P	22-57-30	2 - 3				7300	
	S	23-06-14	8	30	12			No maximum in L
	L ?	23-10						
	F	23-40						
Dec. 9	P	8-39-00						
	P R_2	8-40-18					3600	
	S	8-44-24						
	L	8-47.0	40					
	M_E	8-51.2	18	200				
	M_N	8-54.3	18		130			
	F	10-15						
Dec.17	e ?	10-31-14						
	L	10-46.5	20					
	L	10-48	14					
	F	11-03						
Dec.22	e ?	21-21-20						
	L	21-25.4	15					
	F	21-35						
"	e	23-42-21						
	L	23-42.8	20					
	F	23-54						
" 24	P	0-19-0	3				5000?	
	L	0-31.3	14					
	L	1-11	20					
	F	1-40						